

RRRRRRRRRRRR		UUU	UUU	NNN	NNN	000000000	FFFFFFFFFFF	FFFFFFFFFFF
RRRRRRRRRRRR		UUU	UUU	NNN	NNN	000000000	FFFFFFFFFFF	FFFFFFFFFFF
RRRRRRRRRRRR		UUU	UUU	NNN	NNN	000000000	FFFFFFFFFFF	FFFFFFFFFFF
RRR	RRR	UUU	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNNNN	NNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNNNN	NNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNNNN	NNN	000	FFF	FFF
RRRRRRRRRRRR		UUU	UUU	NNN	NNN	000	FFFFFFFFF	FFFFFFFFF
RRRRRRRRRRRR		UUU	UUU	NNN	NNN	000	FFFFFFFFF	FFFFFFFFF
RRRRRRRRRRRR		UUU	UUU	NNN	NNN	000	FFFFFFFFF	FFFFFFFFF
RRR	RRR	UUU	UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU	NNN	NNN	000000000	FFF	FFF	
RRR	RRR	UUUUUUUUUUUUUUUU	NNN	NNN	000000000	FFF	FFF	
RRR	RRR	UUUUUUUUUUUUUUUU	NNN	NNN	000000000	FFF	FFF	

```

SSSSSSSS KK      KK      IIIIII PPPPPPPP LL
SSSSSSSS KK      KK      IIIIII PPPPPPPP LL
SS      KK      KK      II      PP      PP LL
SS      KK      KK      II      PP      PP LL
SS      KK      KK      II      PP      PP LL
SS      KK      KK      II      PP      PP LL
      SSSSSS KKKKKK      II      PPPPPPPP LL
      SSSSSS KKKKKK      II      PPPPPPPP LL
      SS      KK      KK      II      PP      LL
      SS      KK      KK      II      PP      LL
      SS      KK      KK      II      PP      LL
      SS      KK      KK      II      PP      LL
SSSSSSSS KK      KK      IIIIII PP      LLLLLLLLLL
SSSSSSSS KK      KK      IIIIII PP      LLLLLLLLLL

```

```

LL          IIIIII          SSSSSSSS
LL          IIIIII          SSSSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SSSSSS
LL          II             SSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LLLLLLLLLLLL IIIIII          SSSSSSSS
LLLLLLLLLLLL IIIIII          SSSSSSSS

```

SKIF
V04-

: Si
: RU
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: Me
: Co

Perform all modes of line skipping

K 5
16-Sep-1984 01:47:33
14-Sep-1984 13:08:09

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1
Page 1 (1)

**F

```
1 0001 0 %TITLE 'Perform all modes of line skipping'
2 0002 0 MODULE SKIPL ( IDENT = 'V04-000'
3 P 0003 0 %BLISS32 [ , ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE,
4 0004 0 NONEXTERNAL = LONG_RELATIVE)]
5 0005 0 ) =
6 0006 1 BEGIN
7 0007 1
8 0008 1 *****
9 0009 1 *
10 0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
11 0011 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
12 0012 1 * ALL RIGHTS RESERVED.
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18 0018 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
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26 0026 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
33 0033 1
34 0034 1 ABSTRACT: Conditional and unconditional line skipping.
35 0035 1
36 0036 1 ENVIRONMENT: Transportable
37 0037 1
38 0038 1 AUTHOR: R.W.Friday CREATION DATE: May, 1978
39 0039 1
```

SKIPL
V04-000

Perform all modes of line skipping
Revision History

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DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1 Page 2 (2)

```

: 41      0040 1 %SBTTL 'Revision History'
: 42      0041 1 | MODIFIED BY:
: 43      0042 1 |
: 44      0043 1 |      011      KFA00011      Ken Alden      13-Jun-1983
: 45      0044 1 |      Counting of lines is no longer performed in USKIPL
: 46      0045 1 |      for /down skipping.
: 47      0046 1 |
: 48      0047 1 |      010      RER00010      Ron Randall      31-May-1983
: 49      0048 1 |      Improved algorithm in uskipl that tests for space available
: 50      0049 1 |      at end of page before calling newpag by adding hct_layout term.
: 51      0050 1 |
: 52      0051 1 |      009      KAD00009      Keith Dawson      22-Mar-1983
: 53      0052 1 |      Added support for non-STREAM output (for LN01, VT100) --
: 54      0053 1 |      call to macro op_dev_write_output_line instead of to
: 55      0054 1 |      clh (clh_write_output).
: 56      0055 1 |
: 57      0056 1 |      008      REM00008      Ray Marshall      07-Mar-1983
: 58      0057 1 |      Global edit of all modules. Updated module names, identrs,
: 59      0058 1 |      copyright dates. Changed require files to BLISS library.
: 60      0059 1 |
: 61      0060 1 | --

```


SKIPL
V04-000

Perform all modes of line skipping
Module Level Declarations

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```

: 63      0061 1 %SBTTL 'Module Level Declarations'
: 64      0062 1
: 65      0063 1 TABLE OF CONTENTS:
: 66      0064 1
: 67      0065 1 FORWARD ROUTINE
: 68      0066 1     cskipl : novalue,
: 69      0067 1     uform  : novalue,
: 70      0068 1     uskipl : novalue;
: 71      0069 1
: 72      0070 1 INCLUDE FILES:
: 73      0071 1
: 74      0072 1 LIBRARY 'NXPORT:XPORT';
: 75      0073 1 REQUIRE 'REQ:RNODEF';
: 76      0204 1
: 77      U 0205 1 %IF DSRPLUS %THEN
: 78      U 0206 1 LIBRARY 'REQ:DPLLIB';
: 79      0207 1 %ELSE
: 80      0208 1 LIBRARY 'REQ:DSRLIB';
: 81      0209 1 %FI
: 82      0210 1
: 83      0211 1
: 84      0212 1 EXTERNAL REFERENCES:
: 85      0213 1
: 86      0214 1 EXTERNAL
: 87      0215 1     fnct : fnct_definition,
: 88      0216 1     fra  : fixed_string,
: 89      0217 1     gca  : gca_definition,
: 90      0218 1     hct  : hct_definition,
: 91      0219 1     phan : phan_definition,
: 92      0220 1     tsf  : tsf_definition;
: 93      0221 1
: 94      0222 1 EXTERNAL ROUTINE
: 95      0223 1     bwait,
: 96      0224 1     clh,
: 97      0225 1     fbwait,
: 98      0226 1     lstops,
: 99      0227 1     newpag,
: 100     0228 1     tpfeql,
: 101     0229 1     tpr;
: 102     0230 1
```

```
! XPORT Library
! RUNOFF variant definitions
```

```
! DSRPLUS BLISS Library
```

```
! DSR BLISS Library
```

SKPS
V04-

SKIPL
V04-000

Perform all modes of line skipping
CSKIPL -- skip requisit number of lines

N 5
16-Sep-1984 01:47:33
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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1
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```
104 0231 1 %SBTTL 'CSKIPL -- skip requisit number of lines'
105 0232 1 GLOBAL ROUTINE cskipl (lines) : NOVALUE =
106 0233 1
107 0234 1 ++
108 0235 1 FUNCTIONAL DESCRIPTION:
109 0236 1
110 0237 1     Skips lines until either the top of a page is reached
111 0238 1     or the requested number of lines have been skipped.
112 0239 1
113 0240 1 FORMAL PARAMETERS:
114 0241 1
115 0242 1     lines - Specifies the maximum number of lines to be skipped.
116 0243 1
117 0244 1 IMPLICIT INPUTS:      None
118 0245 1
119 0246 1 IMPLICIT OUTPUTS:     None
120 0247 1
121 0248 1 ROUTINE VALUE:
122 0249 1 COMPLETION CODES:      None
123 0250 1
124 0251 1 SIDE EFFECTS:         None
125 0252 1 --
126 0253 1
127 0254 2 BEGIN
128 0255 2
129 0256 2 IF .phan_top_page
130 0257 2 THEN
131 0258 2     RETURN;
132 0259 2     ! Don't skip lines if at top of page.
133 0260 2
134 0261 2 IF .lines EQL 0
135 0262 2 THEN
136 0263 2     RETURN;
137 0264 2     ! Forget trivial requests.
138 0265 2
139 0266 2 IF NOT tpr (.lines + 1)
140 0267 2 THEN
141 0268 2     Just start a new page if the skipping
142 0269 2     would go over a page boundary.
143 0270 2     phan_top_page = true
144 0271 2 ELSE
145 0272 2 BEGIN
146 0273 2
147 0274 2     Initialize output buffer. When CLH gets called FRA is either empty
148 0275 2     or else contains some stuff that appears to the left of the document.
149 0276 2
150 0277 2     fs_init (fra);
151 0278 2
152 0279 2     Attach listing options to line.
153 0280 2
154 0281 2     lstops (lstops_no_iseqn, true);
155 0282 2
156 0283 2
157 0284 2     Write out the blank lines.
158 0285 2
159 0286 2 INCR I FROM 1 TO MIN (.lines, 500) DO
160 0287 4 BEGIN
```


SKIPL
V04-000

Perform all modes of line skipping
CSKIPL -- skip requisit number of lines

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DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1 Page 5 (4)

```

161 0288 4
162 0289 4
163 0290 4
164 0291 4
165 0292 4
166 0293 4
167 0294 4
168 0295 4
169 0296 4
170 0297 4
171 0298 4
172 0299 4
173 0300 4
174 0301 4
175 0302 4
176 0303 4
177 0304 4
178 0305 4
179 0306 4
180 0307 4
181 0308 4
182 0309 4
183 0310 5
184 0311 5
185 0312 5
186 0313 4
187 0314 4
188 0315 4
189 0316 4
190 0317 4
191 0318 4
192 0319 4
193 0320 3
194 0321 3
195 0322 3
196 0323 3
197 0324 3
198 0325 4
199 0326 2
200 0327 2
201 0328 1

      IF .fnct_ready NEQ 0
      THEN
          Yup, there are footnotes waiting to be output. So, before
          writing a blank line, see if the paper is positioned at
          precisely the position where some footnotes should appear.

          IF tpfeql ( ) NEQ 0
          THEN
              Yup, we're in the location where some footnotes should go.
              If a blank line were to be put out now, it would be exactly
              where the first line of the waiting footnotes is supposed
              to appear.

              THEREFORE, it's important that the blank line not be
              generated. Instead, the top-of-page indicator is set,
              so that no more blank lines will be generated, and
              so the next line of text will force out some footnotes.

              BEGIN
              phan_top_page = true;
              RETURN;
              END;

      IF NOT .gca_skip_out
      THEN
          ! If not skipping output, output blank lines only.
          op_dev_write_output_line;

          phan_lines_tp = .phan_lines_tp + 1;      ! Count lines.
      END;

      ! Now restore the output buffer to an empty state
      fs init (fra)
      END;

      END;

      ! End of CSKIPL
```

.TITLE SKIPL Perform all modes of line skipping
.IDENT \V04-000\

.EXTRN FNCT, FRA, GCA, HCT
.EXTRN PHAN, TSF, BWAIT
.EXTRN CLH, FBWAIT, LSTOPS
.EXTRN NEWPAG, TPFÉQL, TPR

.PSECT \$CODE\$,NOWR?,2

.ENTRY CSKIPL, Save R2,R3,R4,R5
MOVAB PHAN, R5
MOVAB FRA, R4
BLBC PHAN, 1\$

003C 00000
55 00000000G EF 9E 00002
54 00000000G EF 9E 00009
01 65 E9 00010

: 0232
:
: 0256

SKIPL
V04-000

Perform all modes of line skipping
CSKIPL -- skip requisit number of lines

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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1

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SKP
V04

	52	04	AC	04	00013	RET		
			7D	D0	00014	1\$:	MOVL	LINES, R2
			A2	13	00018		BEQL	10\$
00000000G	EF	01	A2	9F	0001A		PUSHAB	1(R2)
	3B		01	FB	0001D		CALLS	#1, TPR
			50	E9	00024		BLBC	R0, 4\$
	64	0C	A4	D4	00027		CLRL	FRA+12
04	A4	10	A4	9E	0002A		MOVAB	FRA+16, FRA
			64	D0	0002E		MOVL	FRA, FRA+4
			01	DD	00032		PUSHL	#1
			0B	DD	00034		PUSHL	#11
00000000G	EF		02	FB	00036		CALLS	#2, LSTOPS
000001F4	8F		52	D1	0003D		CMPL	R2, #500
			05	15	00044		BLEQ	2\$
	52	01F4	8F	3C	00046		MOVZWL	#500, R2
			53	D4	0004B	2\$:	CLRL	I
			39	11	0004D		BRB	9\$
		00000000G	EF	D5	0004F	3\$:	TSTL	FNCT+4
			0F	13	00055		BEQL	5\$
00000000G	EF		00	FB	00057		CALLS	#0, TPFEQL
			50	D5	0005E		TSTL	R0
			04	13	00060		BEQL	5\$
	65		01	D0	00062	4\$:	MOVL	#1, PHAN
			04		00065		RET	
02 00000000G	EF		EF	E8	00066	5\$:	BLBS	GCA+112, 8\$
			04	ED	0006D		CMPZV	#4, #4, GCA+208, #2
			04	14	00076		BGTR	6\$
			06	DD	00078		PUSHL	#6
			02	11	0007A		BRB	7\$
			0B	DD	0007C	6\$:	PUSHL	#11
00000000G	EF		01	FB	0007E	7\$:	CALLS	#1, CLH
		0C	A5	D6	00085	8\$:	INCL	PHAN+12
C3	53		52	F3	00088	9\$:	AOBLEQ	R2, I, 3\$
		0C	A4	D4	0008C		CLRL	FRA+12
	64	10	A4	9E	0008F		MOVAB	FRA+16, FRA
			64	D0	00093		MOVL	FRA, FRA+4
	04	A4	04		00097	10\$:	RET	

; Routine Size: 152 bytes, Routine Base: \$CODE\$ + 0000

; 202 0329 1

; R


```
204 0330 1 %SBTTL 'USKIPL -- unconditionally skip n lines'
205 0331 1 GLOBAL ROUTINE uskipl (lines) : NOVALUE =
206 0332 1
207 0333 1 ++
208 0334 1 FUNCTIONAL DESCRIPTION:
209 0335 1
210 0336 1     Skips lines regardless of position on the page. In the event
211 0337 1     that there is a pending formfeed, it forces that out also. Note that
212 0338 1     the only time a formfeed could be pending is at the top of a page, when
213 0339 1     the user had said .NO HEADERS. The routine cskipl cannot put out the
214 0340 1     formfeed because it skips lines only if they do not occur at the top of
215 0341 1     the page. The only other routine that can catch pending formfeeds is
216 0342 1     loutl.
217 0343 1
218 0344 1 FORMAL PARAMETERS:
219 0345 1
220 0346 1     lines - Specifies how many lines are to be skipped.
221 0347 1
222 0348 1 IMPLICIT INPUTS:      None
223 0349 1
224 0350 1 IMPLICIT OUTPUTS:     None
225 0351 1
226 0352 1 ROUTINE VALUE:
227 0353 1 COMPLETION CODES:      None
228 0354 1
229 0355 1 SIDE EFFECTS:          None
230 0356 1 --
231 0357 1
232 0358 2 BEGIN
233 0359 2
234 0360 2 LOCAL
235 0361 2     skip;
236 0362 2
237 0363 2 IF .lines EQL 0
238 0364 2 THEN
239 0365 2     RETURN;                                ! No lines to skip.
240 0366 2
241 0367 2 skip = .lines;
242 0368 2
243 0369 2 IF .phan_form_pend NEQ 0
244 0370 2 THEN                                ! If a form feed is pending
245 0371 2     IF .phan_simulate
246 0372 2     THEN                                ! and /SIMULATE,
247 0373 2         uform ()                        ! then simulate the formfeed.
248 0374 2     ELSE                                ! If a form feed and /NOSIMULATE,
249 0375 2         BEGIN                            ! then force out pending formfeed
250 0376 2         IF .phan_pause
251 0377 2         THEN
252 0378 2             (IF NOT .gca_skip_out
253 0379 2             THEN
254 0380 2                 fbwait ()                ! Bell the user before issuing the <FF>.
255 0381 2             ELSE
256 0382 2                 fs_wchar (fra, .phan_form_pend);
257 0383 2
258 0384 2 lstops (lstops_no_iseqn, true); ! Attach listing options to line.
259 0385 2
260 0386 2 IF NOT .gca_skip_out
```

SKIPL
V04-000

Perform all modes of line skipping
USKIPL -- unconditionally skip n lines

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DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1 Page 8 (5)

**F

```

261 0387      THEN                                ! If output is suppressed, then
262 0388      op_dev_write_output_line;           ! don't write blank lines.
263 0389
264 0390      IF NOT .gca_down_flag
265 0391      THEN
266 0392      phan_lines_tp = .phan_lines_tp + 1;    ! Count lines.
267 0393
268 0394      skip = .skip - 1;
269 0395      phan_form_pend = 0;
270 0396      fs_init (fra);
271 0397      END;
272 0398
273 0399      INCR i FROM 1 TO min (.skip, 500) DO
274 0400      BEGIN
275 0401
276 0402      IF .phan_paging AND (.phan_top_page OR
277 0403      ((.phan_lines_tp + (IF .hct_layout EQL 0 THEN 0 ELSE 1))
278 0404      GEQ .phan_llines))
279 0405      THEN
280 0406      newpag ();
281 0407
282 0408      fs_init (fra);
283 0409
284 0410      lstops (lstops_no_iseqn, true); ! Attach listing options to line.
285 0411
286 0412      IF NOT .gca_skip_out THEN                ! If output is NOT suppressed,
287 0413      op_dev_write_output_line;                ! write out blank lines.
288 0414
289 0415      IF NOT .gca_down_flag
290 0416      THEN
291 0417      phan_lines_tp = .phan_lines_tp + 1; ! Count lines if not /down.
292 0418      END;
293 0419
294 0420      fs_init (fra);
295 0421      END;

```

! End of USKIPL

			01FC 00000	.ENTRY USKIPL, Save R2,R3,R4,R5,R6,R7,R8	0331
58	00000000G	EF	9E 00002	MOVAB CLH, R8	
57	00000000G	EF	9E 00009	MOVAB LSTOPS, R7	
56	00000000G	EF	9E 00010	MOVAB GCA+112, R6	
55	00000000G	EF	9E 00017	MOVAB PHAN+12, R5	
54	00000000G	EF	9E 0001E	MOVAB FRA, R4	
	04	AC	D5 00025	TSTL LINES	0363
		01	12 00028	BNEQ 1\$	
			04 0002A	RET	
52	04	AC	D0 0002B 1\$:	MOVL LINES, SKIP	0367
53	14	A5	D0 0002F	MOVL PHAN+32, R3	0369
		58	13 00033	BEQL 9\$	
09	28	A5	E9 00035	BLBC PHAN+52, 2\$	0371
00000000V	EF	00	FB 00039	CALLS #0, UFORM	0373
		4B	11 00040	BRB 9\$	
0C	30	A5	E9 00042 2\$:	BLBC PHAN+60, 3\$	0376
13		66	E8 00046	BLBS GCA+112, 4\$	0378

SKIPL
V04-000

Perform all modes of line skipping
USKIPL -- unconditionally skip n lines

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DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1

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			00000000G	EF	00	FB	00049	CALLS	#0, FBWAIT	0380
					0A	11	00050	BRB	4\$	0378
			04	B4	53	90	00052	3\$: MOVB	R3, @FRA+4	0382
					A4	D6	00056	INCL	FRA+4	
					A4	D6	00059	INCL	FRA+12	
					01	DD	0005C	4\$: PUSHL	#1	0384
					0B	DD	0005E	PUSHL	#11	
				67	02	FB	00060	CALLS	#2, LSTOPS	
				11	66	E8	00063	BLBS	GCA+112, 7\$	0386
02	60	A6		04	04	ED	00066	CMPZV	#4, #4, GCA+208, #2	0387
					04	14	0006C	BGTR	5\$	
					06	DD	0006E	PUSHL	#6	
					02	11	00070	BRB	6\$	
					0B	DD	00072	5\$: PUSHL	#11	
				68	01	FB	00074	6\$: CALLS	#1, CLH	
				02	A6	E8	00077	7\$: BLBS	GCA+180, 8\$	0390
					65	D6	0007B	INCL	PHAN+12	0392
					52	D7	0007D	8\$: DECL	SKIP	0394
					A5	D4	0007F	CLRL	PHAN+32	0395
					A4	D4	00082	CLRL	FRA+12	0396
				64	A4	9E	00085	MOVAB	FRA+16, FRA	
				A4	64	D0	00089	MOVL	FRA, FRA+4	
			04	8F	52	D1	0008D	9\$: CMPL	R2, #500	0399
					05	15	00094	BLEQ	10\$	
				52	8F	3C	00096	MOVZWL	#500, R2	
					53	D4	0009B	10\$: CLRL	I	
					53	11	0009D	BRB	19\$	
				23	B5	E9	0009F	11\$: BLBC	@PHAN+40, 15\$	0402
				18	A5	E8	000A3	BLBS	PHAN, 14\$	
					EF	D5	000A7	TSTL	HCT+28	0403
			00000000G		04	12	000AD	BNEQ	12\$	
					50	D4	000AF	CLRL	R0	
					03	11	000B1	BRB	13\$	
				50	01	D0	000B3	12\$: MOVL	#1, R0	
				50	65	C0	000B6	13\$: ADDL2	PHAN+12, R0	
				F8	50	D1	000B9	CMPL	R0, @PHAN+4	0404
				B5	07	19	000BD	BLSS	15\$	
			00000000G	EF	00	FB	000BF	14\$: CALLS	#0, NEWPAG	0406
					A4	D4	000C6	15\$: CLRL	FRA+12	0408
				64	A4	9E	000C9	MOVAB	FRA+16, FRA	
				04	64	D0	000CD	MOVL	FRA, FRA+4	
					01	DD	000D1	PUSHL	#1	0410
					0B	DD	000D3	PUSHL	#11	
				67	02	FB	000D5	CALLS	#2, LSTOPS	
				11	66	E8	000D8	BLBS	GCA+112, 18\$	0412
02	60	A6		04	04	ED	000DB	CMPZV	#4, #4, GCA+208, #2	
					04	14	000E1	BGTR	16\$	
					06	DD	000E3	PUSHL	#6	
					02	11	000E5	BRB	17\$	
					0B	DD	000E7	16\$: PUSHL	#11	
				68	01	FB	000E9	17\$: CALLS	#1, CLH	
				02	A6	E8	000EC	18\$: BLBS	GCA+180, 19\$	0415
					65	D6	000F0	INCL	PHAN+12	0417
				53	52	F3	000F2	19\$: AOBLEQ	R2, I, 11\$	0399
					A4	D4	000F6	CLRL	FRA+12	0420
				64	A4	9E	000F9	MOVAB	FRA+16, FRA	
			04	A4	64	D0	000FD	MOVL	FRA, FRA+4	

Perform all modes of line skipping
USKIPL -- unconditionally skip n lines

6 6
16-Sep-1984 01:47:33
14-Sep-1984 13:08:09

VAX-11 Bliss-32 V4.0-742 Page 10
DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1 (5)

STC
V04

RET

; 0421

; Routine Size: 258 bytes, Routine Base: \$CODES + 0098

: 296 0422 1

.....

SKIPL
V04-000

Perform all modes of line skipping
UFORM -- throw blank lines to top-of-page

H 6
16-Sep-1984 01:47:33
14-Sep-1984 13:08:09

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1
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(6)

STC
V04

```
298 0423 1 %SBTTL 'UFORM -- throw blank lines to top-of-page'
299 0424 1 GLOBAL ROUTINE uform : NOVALUE =
300 0425 1
301 0426 1 !++
302 0427 1 FUNCTIONAL DESCRIPTION:
303 0428 1
304 0429 1     Starts a new page by simulating a form feed by
305 0430 1     putting out a sufficient number of blank lines.
306 0431 1
307 0432 1 FORMAL PARAMETERS:      None
308 0433 1
309 0434 1 IMPLICIT INPUTS:       None
310 0435 1
311 0436 1 IMPLICIT OUTPUTS:      None
312 0437 1
313 0438 1 ROUTINE VALUE:
314 0439 1 COMPLETION CODES:       None
315 0440 1
316 0441 1 SIDE EFFECTS:            None
317 0442 1 --
318 0443 1
319 0444 2 BEGIN
320 0445 2
321 0446 2 LOCAL
322 0447 2     to_end;
323 0448 2
324 0449 2 IF .gca_skip_out
325 0450 2 THEN
326 0451 2     RETURN;
327 0452 2
328 0453 2
329 0454 2     User said /SIMULATE, so simulate formfeeds.
330 0455 2
331 0456 2 fs_init (fra);
332 0457 2 to_end = .phan_plines - (.phan_bottom MOD .phan_plines);
333 0458 2
334 0459 2 IF .to_end NEQ .phan_plines
335 0460 2 THEN
336 0461 2
337 0462 2     Skip blank lines only if not already at the end of the page.
338 0463 2
339 0464 2     INCR i FROM 1 TO MIN (.to_end, 500) DO
340 0465 2         op_dev_write_output_line;
341 0466 2
342 0467 2 phan_form_pend = 0;
343 0468 2
344 0469 2
345 0470 2     Buzz the user if he said /PAUSE.
346 0471 2
347 0472 2 IF .phan_pause
348 0473 2 THEN
349 0474 2     bwait ();
350 0475 2
351 0476 1 END;
                                     ! End of UFORM
```

```
003C 00000
55 00000000G EF 9E 00002 .ENTRY UFORM, Save R2,R3,R4,R5 : 0424
54 00000000G EF 9E 00009 MOVAB PHAN+8, R5 :
61 00000000G EF E8 00010 MOVAB FRA, R4 :
OC A4 D4 00017 BLBS GCA+112, 7$ : 0449
10 A4 9E 0001A CLRL FRA+12 : 0456
04 A4 64 D0 0001F MOVAB FRA+16, FRA :
51 65 D0 00022 MOVL FRA, FRA+4 :
7E 50 00 30 A5 01 7A 00025 MOVL PHAN+8, R1 : 0457
50 50 50 8E 51 7B 0002B EMUL #1, PHAN+56, #0, -(SP) :
51 50 C3 00030 EDIV R1, (SP)+, R0, R0 :
51 50 D1 00034 SUBL3 R0, R1, TO_END :
31 13 00037 CMPL TO_END, R1 : 0459
53 50 D0 00039 BEQL 6$, #500 : 0464
000001F4 8F 53 D1 0003C MOVL TO_END, R3 :
53 01F4 05 15 00043 CMPL R3, #500 :
8F 3C 00045 BLEQ 1$ :
52 D4 0004A 1$: CLRL I :
18 11 0004C BRB 5$ :
02 00000000G EF 04 04 ED 0004E 2$: CMPZV #4, #4, GCA+208, #2 :
04 14 00057 BGTR 3$ :
06 DD 00059 PUSHL #6 :
02 11 0005B BRB 4$ :
08 DD 0005D 3$: PUSHL #11 :
01 FB 0005F 4$: CALLS #1, CLH :
E4 00000000G EF 52 53 F3 00066 5$: AOBLEQ R3, I, 2$ :
18 A5 D4 0006A 6$: CLRL PHAN+32 : 0467
34 A5 E9 0006D BLBC PHAN+60, 7$ : 0472
00000000G EF 07 34 A5 E9 0006D CALLS #0, BWAIT : 0474
00 04 00078 7$: RET : 0476
```

; Routine Size: 121 bytes, Routine Base: \$CODE\$ + 019A

```
: 352 0477 1
: 353 0478 1 END
: 354 0479 0 ELUDOM
```

! End of module

PSECT SUMMARY

```
:
: Name Bytes Attributes
: $CODE$ 531 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)
```

Library Statistics

```
:
: ----- Symbols ----- Pages Processing
```


SKIPL
V04-000

Perform all modes of line skipping
UFORM -- throw blank lines to top-of-page

J 6
16-Sep-1984 01:47:33
14-Sep-1984 13:08:09

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]SKIPL.BLI;1
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(6)

File	Total	Loaded	Percent	Mapped	Time
;\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.1
;\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	38	3	86	00:00.3

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:SKIPL/OBJ=OBJ\$:SKIPL MSRC\$:SKIPL/UPDATE=(ENH\$:SKIPL)

Size: 531 code + 0 data bytes
Run Time: 00:10.0
Elapsed Time: 00:28.0
Lines/CPU Min: 2888
Lexemes/CPU-Min: 19706
Memory Used: 78 pages
Compilation Complete

0349

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